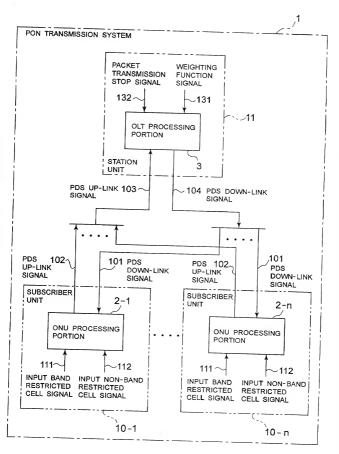
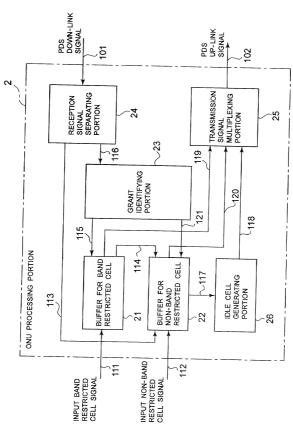
FIG.1





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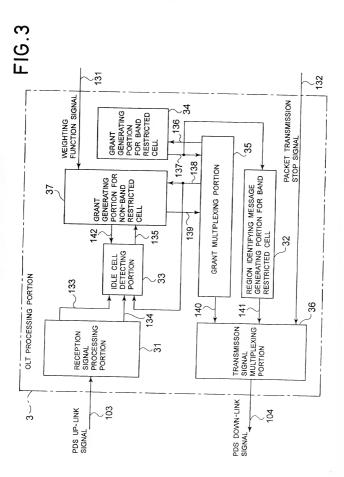


FIG. 4

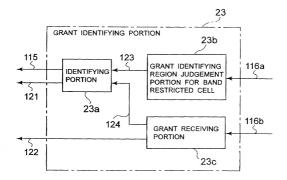


FIG.5

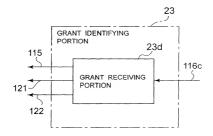
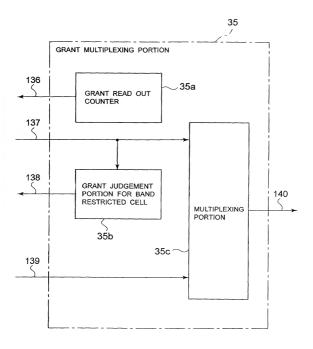


FIG.6



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FIG.7

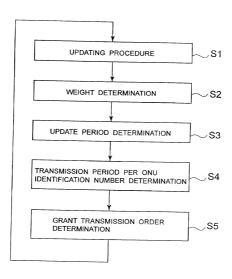
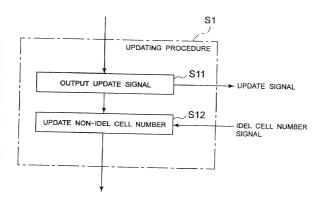


FIG.8



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FIG.9

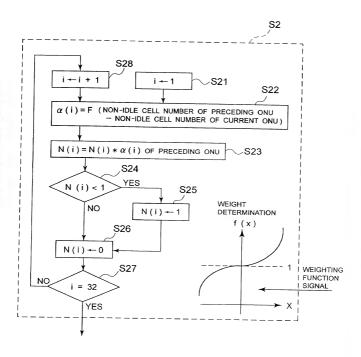


FIG.10

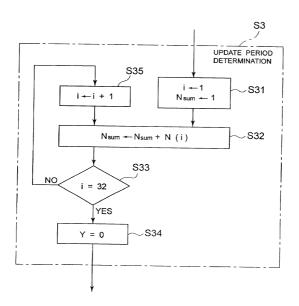


FIG.11

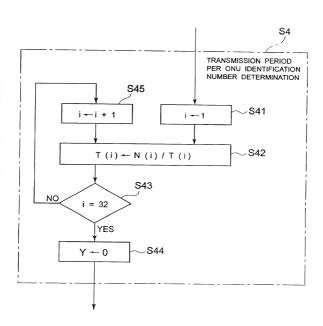


FIG.12

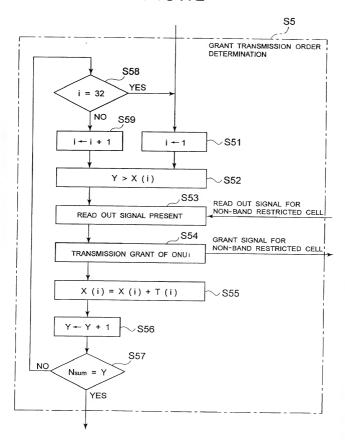


FIG.13

DOPEDTYS OLIVEL

VENDOR_SPECIFIC MESSAGE	DESCRIPTION	INDICATES ONU SOURCING THIS MESSAGE	MESSAGE INDENTIFICATION "VENDER_SPECIFIC"	NUMBER OF REGION FOR BAND RESTRICTED CELL	NUMBER OF REGION FOR NON-BAND RESTRICTED CELL	NUMBER OF REGION FOR BAND RESTRICTED CELL	NUMBER OF REGION FOR NON-BAND RESTRICTED CELL	NUMBER OF REGION FOR BAND RESTRICTED CELL	NUMBER OF REGION FOR NON-BAND RESTRICTED CELL	NUMBER OF REGION FOR BAND RESTRICTED CELL	NUMBER OF REGION FOR NON-BAND RESTRICTED CELL	COMMAND REPEATING	
	CONTENTS	Ххооооох	01111zzz	n1	m1	n2	m2	n3	m3	n4	m4	00000000	UNSPECIFIED
	OCTET	35	36	37	88	39	40	41	42	43	44	45	46

n1 CELL REGION IDENTIFICATION MESSAGE EFFECTIVE → RANGE FOR BAND RESTRICTED CELL → **†** (153 µs * X FRAME) ***** INSERT TIMING FOR BAND RESTRICTED CELL INSERT TIMING FOR NON-BAND RESTRICTED CELL INSERT TIMING FOR SHORT CELL

REGION IDENTIFICATION MESSAGE EFFECTIVE
RANGE FOR NEXT NON-BAND RESTRICTED CELL
(153 # \$ Y FRAME)

FIG.14

DBZSDZZS D11ZD1

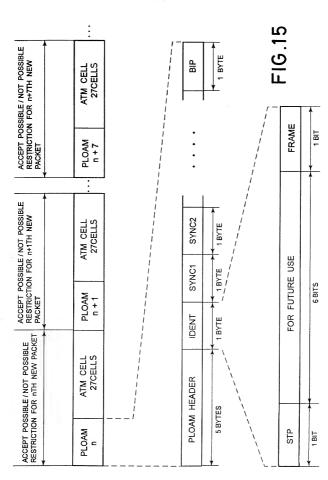
		GRANT_ALLOCATION MESSAGE
OCTET	CONTENT	DESCRIPTION
35	PON_ID	DIRECTED MESSAGE TO ONE ONU
36	00001010	MESSAGE IDENTIFICATION "GRANT_ALLOCATION"
37	pppppppp	DATA GRANT ALLOCATED TO THE ONU WITH THIS PON ID
38	0000000	a:1=ACTIVATE DATA GRANT FOR THIS ONU a:0=DEACTIVATE DATA GRANT FOR THIS ONU
39	adapadad	PLOAM GRANT ALLOCATED TO THE ONU WITH THIS PON IN
40	0000000a	a:1=ACTIVATE PLOAM GRANT FOR THIS ONU a:0=DEACTIVATE PLOAM GRANT FOR THIS ON!
41	ppoppppp	DATA GRANT ALLOCATED TO THE ONU WITH THIS PON ID
42	0000000a	a:1=ACTINATE DATA GRANT FOR THIS ONU a:0 = DEACTIVATE DATA GRANT FOR THIS ONU
43, 46	UNSPECIFIED	

GRANT FOR NON-BAND RESTRICTED CELL GRANT FOR BAND RESTRICTED CELL

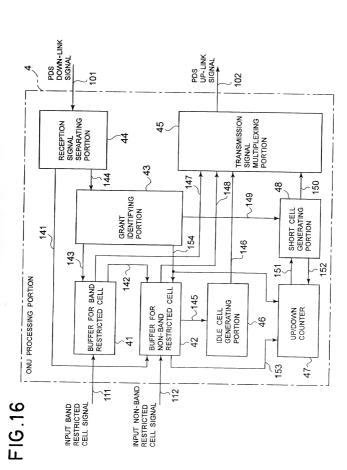
INSERT TIMING FOR NON-BAND RESTRICTED CELL INSERT TIMING FOR BAND RESTRICTED CELL

UP-LINK SIGNAL FROM ONU TO OLT

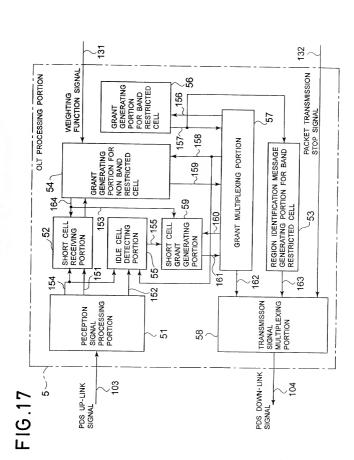
INSERT TIMING FOR SHORT CELL



DSYMOYYM D117D1



DOYNOYPH DITYDI



DOYEDYNE DIAYDA

FIG.18

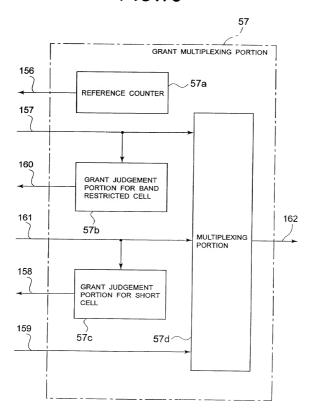


FIG.19

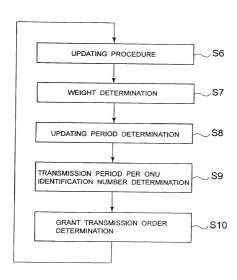
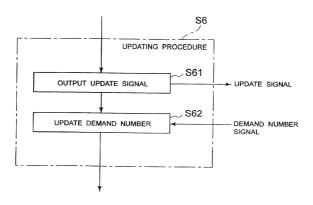


FIG. 20



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FIG. 21

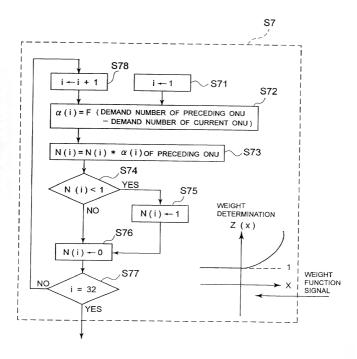


FIG.22

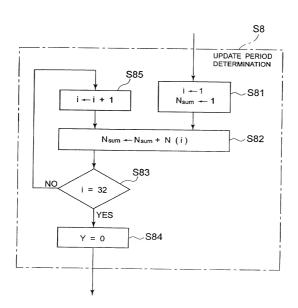
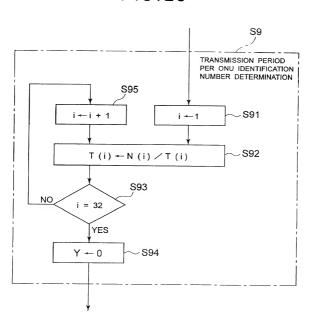
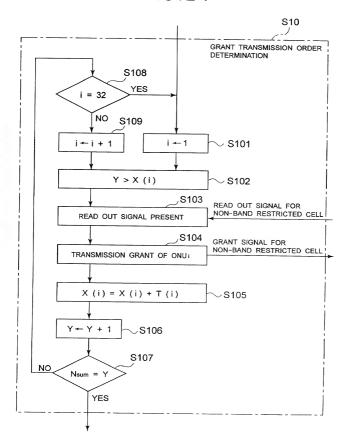


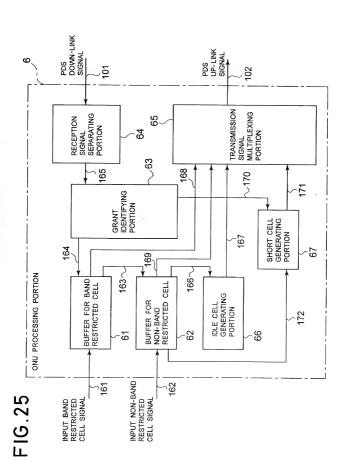
FIG. 23



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FIG. 24





DOYSDYPS DIIPOI

